

Title: PREDICTIVE COLLISION AVOIDANCE IN MACRODIVERSE WIRELESS NETWORKS WITH FREQUENCY HOPPING USING SWITCHING

FIG. 1

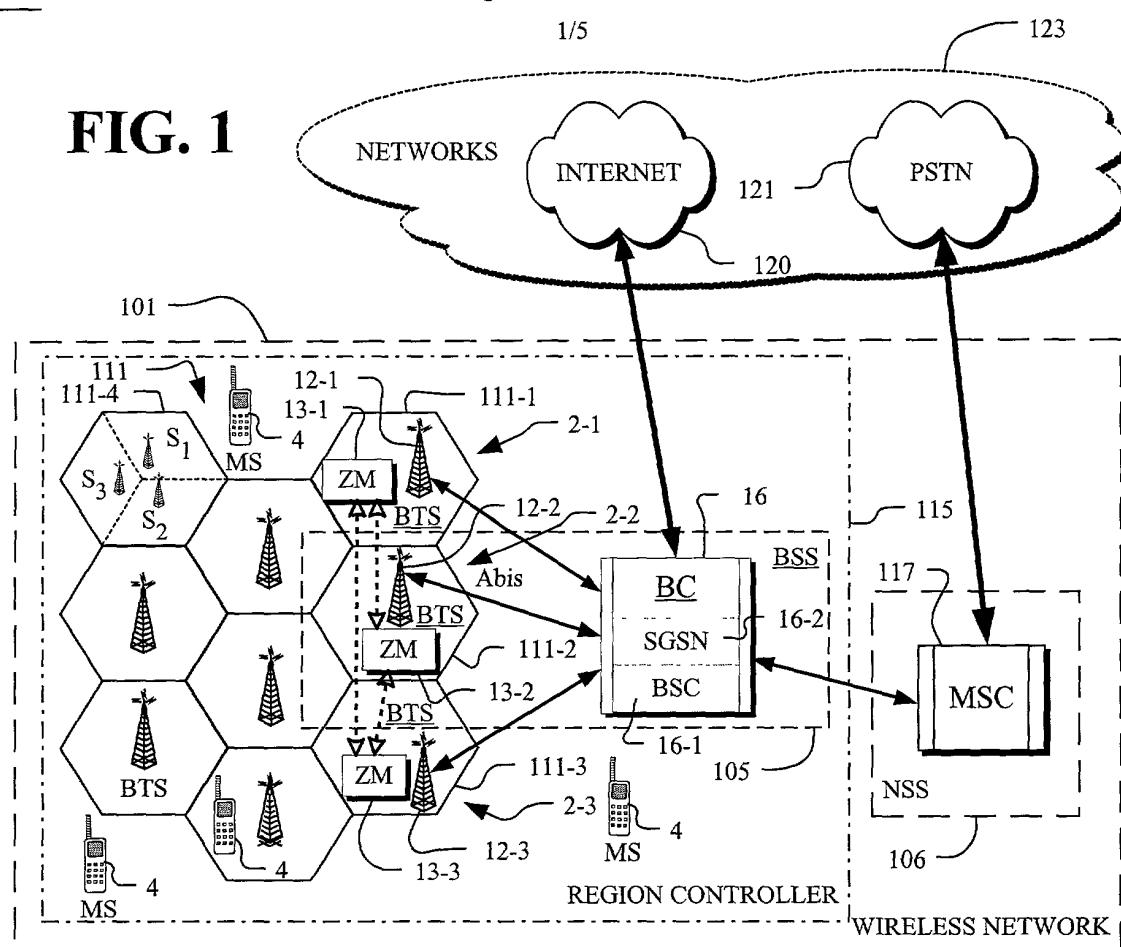


FIG. 2

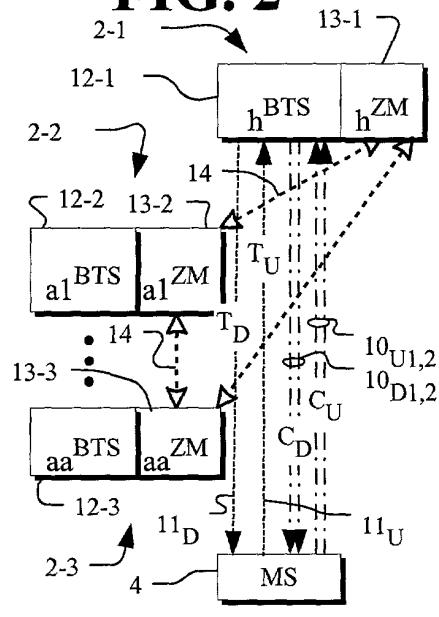
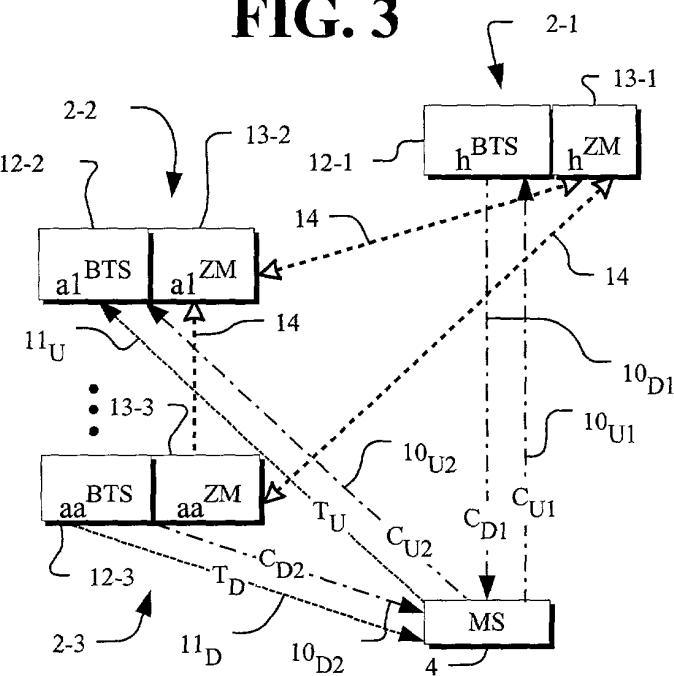


FIG. 3



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FIG. 4

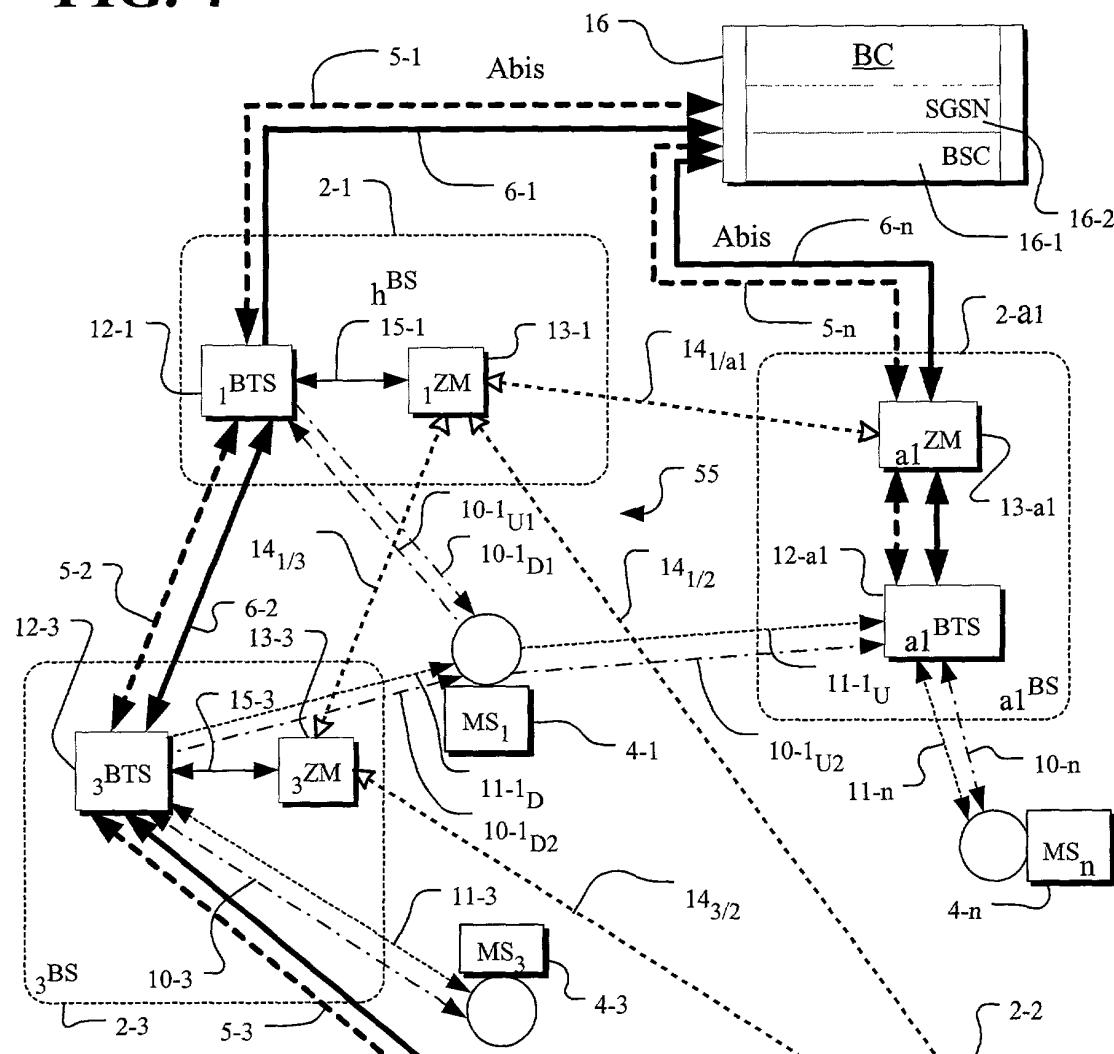
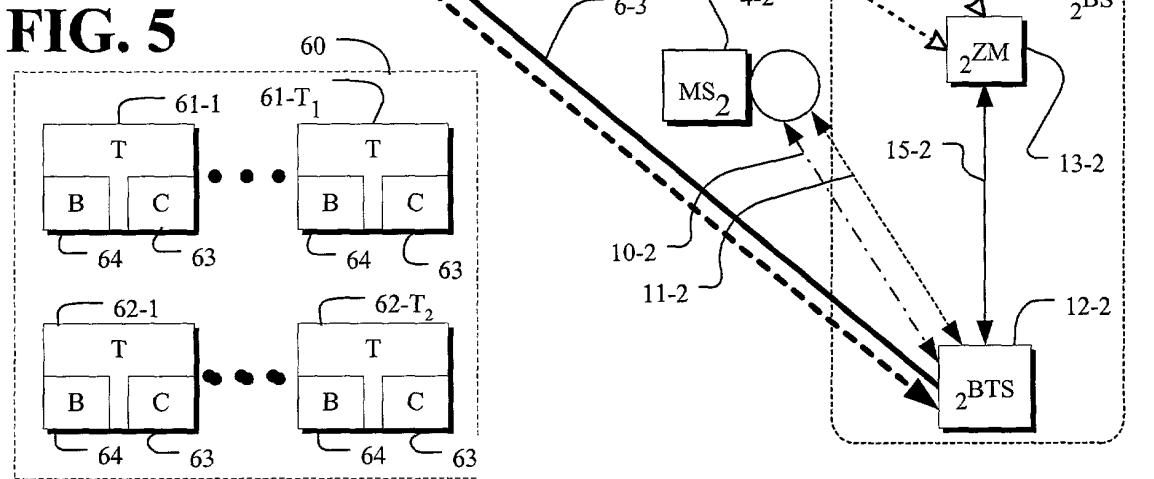
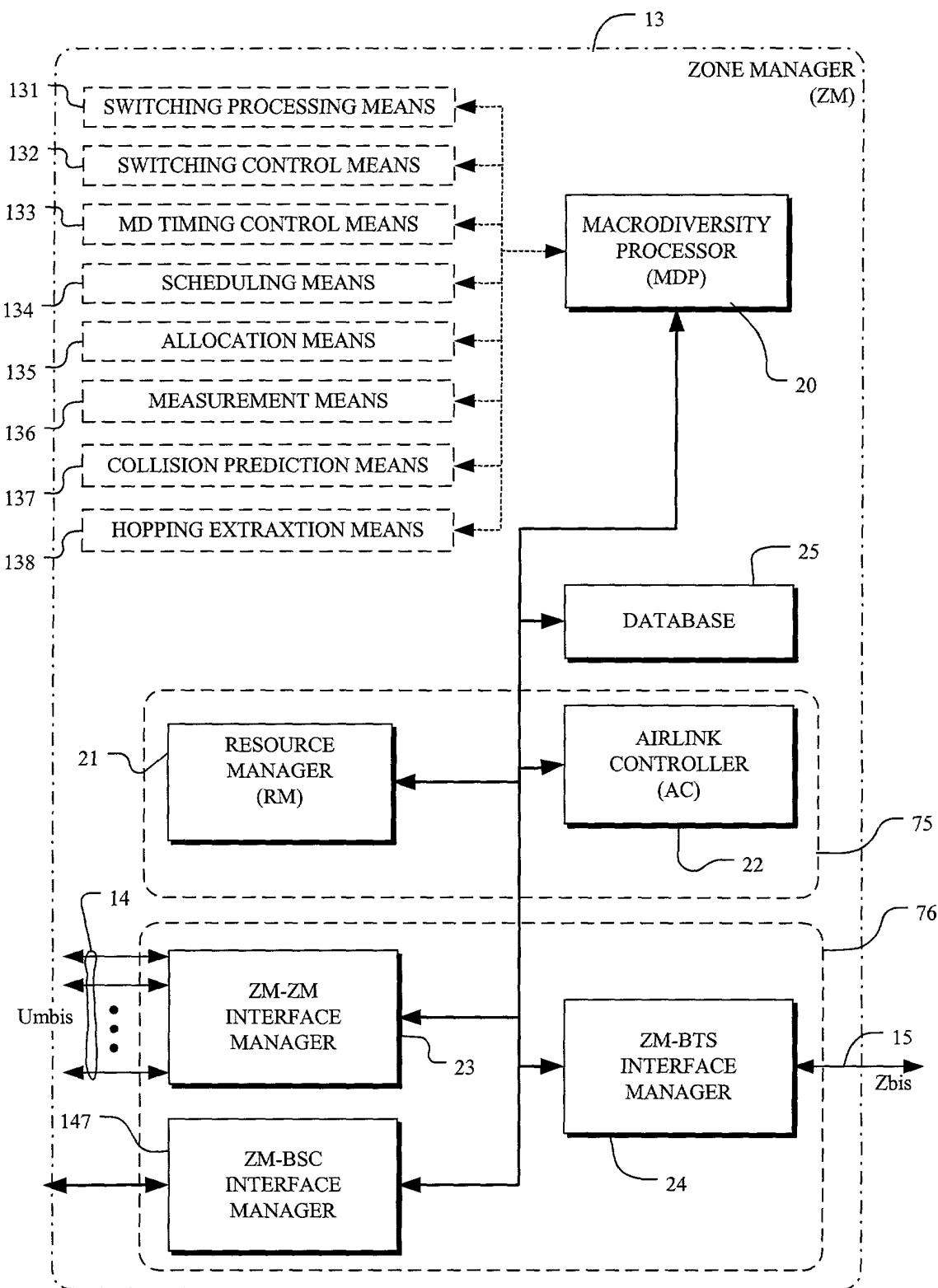


FIG. 5



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FIG. 6



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	MAIO	Hopping Sequence Burst Frequencies							
HS1	1		1	6	5	4	2	8	3
	2		6	5	4	2	8	3	7
	3		5	4	2	8	3	7	1
	4		4	2	8	3	7	1	6
	5		2	8	3	7	1	6	5
	6		8	3	7	1	6	5	4
	7		3	7	1	6	5	4	2
	8		7	1	6	5	4	2	8
HS2	1		6	3	2	8	1	7	4
	2		3	2	8	1	7	4	5
	3		2	8	1	7	4	5	6
	4		8	1	7	4	5	6	3
	5		1	7	4	5	6	3	2
	6		7	4	5	6	3	2	8
	7		7	4	5	6	3	2	8
	8		4	5	6	3	2	8	1
Time Slot Number 0		1	2	3	4	5	6	7	8
Time Slot Number 1									
Time Slot Number 7									

FIG. 7

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FIG. 8

		Hopping Sequence Burst Frequencies							
MS ₁ (MAIO1)									
1BTS		1	6	5	4	2	8	3	7
FMS- ₂ BTS		□	□	□	□	□	□	□	□
MS ₂ (MAIO3)									
1BTS		5	4	2	8	3	7	1	6
FMS- ₂ BTS		□	□	□	□	□	□	□	□
MS ₃ (MAIO6)									
₂ BTS		7	4	5	6	3	2	8	1
FMS- ₁ BTS		7	4	5	6	3	2	8	1
FH/FMS- ₁ BTS		7	□	□	6	□	2	8	1
FH/FMS- ₂ BTS		□	4	5	□	3	□	□	□
MS ₄ (MAIO3)									
₂ BTS		2	8	1	7	4	5	6	3
FMS- ₁ BTS		2	8	1	7	4	5	6	3
FMS/FH- ₂ BTS		2	□	□	□	□	□	□	□
FMS/FH- ₁ BTS		□	8	1	7	4	5	6	3
Time Slot Number 0		1	2	3	4	5	6	7	8
Frame Number									
Time Slot Number 1									
•									
•									
•									
Time Slot Number 7									